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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/801,639	03/09/2001	Byung Hyo Kim	P-195	3935

34610 7590 10/29/2003

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EXAMINER

SIDDIQI, MOHAMMAD A

ART UNIT	PAPER NUMBER
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2126

DATE MAILED: 10/29/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/801,639

Applicant(s)

KIM, BYUNG HYO

Examiner

Mohammad A Siddiqi

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 March 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 March 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-9 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3. Claims 1-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Vanhoof et al. (6212566) (hereinafter Vanhoof).
4. As per claim 1, Vanhoof discloses an inter-processor communication apparatus (see abstract) of a mobile communication system (col 2, lines 20-22) comprising:

a data-FIFO for storing a receiving data (col 25, lines 43-46 and col 48, lines 7-11);

a slave-logic for controlling a writing operation (figure 6, element 522b, 522c) of the data-FIFO (col 25, lines 43-46) and counting the length of the receiving data until an end-tag signal is inputted (col 20, lines 28-39);

a length-FIFO (col 25, lines 43-46) for storing the data length counted by the slave-logic (col 20, lines 28-39); and

a CPU (figure 1, element 202, 204) for continuously reading the data stored in the data-FIFO (col 35, lines 1-6) as much as the data read from the length-FIFO when an interrupt signal (col 57, lines 10-15) is inputted from the slave-logic (figure 6, element 522b, 522c, 532b, 532c, 532d, col 20, lines 28-39).

5. As per claim 2, Vanhoof discloses slave-logic (figure 6, element 522b, 522c, 532b, 532c, 532d, col 20, lines 28-39) counts the length of the receiving data until an end tag signal is inputted (col 48, lines 3-15).

6. As per claim 3, Vanhoof discloses the read data length is one frame data length (col 26, lines 33-36).

7. As per claim 4, Vanhoof discloses the slave-logic (figure 6, element 522b, 522c, 532b, 532c, 532d, col 20, lines 28-39) stores the counted data

length in the length-FIFO when the end tag signal is inputted and outputs an interrupt signal to the CPU (col 35, lines 12-32).

8. As per claim 5, Vanhoof discloses the CPU continuously reads the data stored in the data-FIFO (col 57, lines 10-60) by 1 byte unit as much as the data length stored in the length-FIFO (col 35, lines 12-14).

9. As per claim 6, Vanhoof discloses an inter-processor communication (see abstract) method of a mobile communication system (col 2, lines 20-22), comprising the steps of:

Storing a receiving data in a first region (col 48, lines 8-11); counting the length of the receiving data stored in the first region (figure 12, col 35, lines 12-37);

checking whether an end tag is received (col 48, lines 13-15); storing the counted data length in a second region when the end tag is received and outputting an interrupt signal to a CPU (figure 12, col 35, lines 12-37 and col 48, lines 8-15); and

continuously reading the data stored in the first region by the CPU as much as the data length stored in the second region (figure 12, col 35, lines 12-37).

10. As per claim 7, Vanhoof discloses the first and the second regions are FIFO (figure 11, col 35, lines 1-3).

11. As per claim 8, Vanhoof discloses the data length stored in the second region is one frame of data length (col 26, lines 33-36).

12. As per claim 9, Vanhoof discloses the CPU (figure 1, element 202, 204) continuously reads the data by 1 byte unit (col 35, lines 11-14).

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- U.S. Patent 5951666 to Ilting et al.
- U.S. Patent 6434395 to Lubin et al.
- U.S. Patent 6434690 to Ohsuga et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad A Siddiqi whose telephone number is (703) 305-0353. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on (703) 305-

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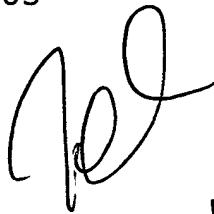
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8498. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

MAS

Thursday, October 23, 2003

A handwritten signature in black ink, appearing to be 'JF', is written over the printed name and title.

JOHN FOLLANSBEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100